

**ADVANCED  
ASSESSMENT & MANAGEMENT  
OF VESTIBULAR SYSTEM  
ADVANCED LEVEL CERTIFICATION**

**HYBRID**



**INDO-AMERICAN INSTITUTE  
OF HEARING & BALANCE**

IN ASSOCIATION WITH



[www.rasya.org](http://www.rasya.org)

9493 102 202

[institute@rasya.org](mailto:institute@rasya.org)

# TABLE OF CONTENTS

ABOUT US P. 2

---

COURSE DESCRIPTION P. 3

---

ELIGIBILITY P. 3

---

LEARNING OBJECTIVES P. 4

---

ONLINE MODULES P. 6

---

ON-SITE HANDS ON TRAINING P. 9

---

## ABOUT US

Indo-American Institute of Hearing & Balance (IHB) is established by **Dr. Yugandhar Ramakrishna, AuD, PhD, CCC-A**, an Associate Professor, Vestibular Neuroscientist and Doctor of Audiology at California State University, Northridge and **Dr. Tejaswini Boreddy, AuD** with a vision to offer highest standard vestibular services to the patients and vestibular training to Audiologists in India.

IHB is a specialized institute offering post-graduation specialized training in Vestibular Sciences and Hearing. IHB is one of its own kind and first in India with state-of-the-art facilities established to provide specialized Vestibular training for practicing Audiologists, and graduating master students.

With an aim of producing more Audio-Vestibular Specialists and to increase the Audiologist's scope of practice we are introducing practicum rich vestibular training with most current, research and evidence based clinical American standard protocols. Respecting our Audiology colleagues feedback, we offer a hybrid method yet, practicum rich program with an honest intention to train every candidate to be competent and confident post training to practice independently.

IHB is proud to offer these services with the highest preference to Audiologists and help introducing vestibular services in your own clinic or hospital and serve your clients better. Our vestibular courses are specifically designed for Audiologists, and we look forward to working with you in the future!



**Dr. Yugandhar Ramakrishna, AuD, PhD, CCC-A**  
Vestibular Neuroscientist, Professor & Doctor of  
Audiology - California State University, Northridge

Founder, Director  
Indo-American Institute of Hearing & Balance  
RASYA Indo-American Clinic



**Dr. Tejaswini Boreddy, AuD**  
Co-Founder,  
Director of Clinical Services,  
Doctor of Audiology

RASYA Indo-American Clinic  
Indo-American Institute of Hearing & Balance



## COURSE DESCRIPTION

Assessment & Management of Vestibular System is a course that provides participants with an in-depth understanding of vestibular assessment and management of BPPV. This course is designed to provide participants with evidence-based treatment strategies to manage patients with balance disorders more efficiently and productively.

## HYBRID MODE

This course is designed in HYBRID method with a combination of online and on-site sessions to accommodate all practicing Audiologists and students to learn at home self paced and to reduce the burden of higher expenses without compromising the quality of education.

### *Part I - Online session*

- This session covers the theoretical aspect of the course.
- Self-paced online and no weekly deadlines to truly learn at your own pace.
- All sessions must be completed prior to hands-on session.

### *Part II - onsite hands-on session*

- This on-site session is live hands-on.
- Total of 5 days with true hands-on experience with one day dedicated for individual practice and the possibility of observing patients. \*



## ELIGIBILITY / WHO IS THIS COURSE FOR?

- **Students** - M. Sc. Audiology or M. Sc. ASLP.
- **Practicing Audiologists** with a minimum of bachelor's degree in Audiology looking to specialize in vestibular sciences.
- Private practice audiology owners looking to introduce vestibular services in their clinics or hospitals.



## LEARNING OBJECTIVES

- Gain a comprehensive understanding of the core anatomy and physiology of the human balance system, including the peripheral and central vestibular systems, and their coordination with the oculomotor system.
- Learn evidence-based protocols and strategies for the evaluation of patients with balance disorders, including case history, subjective and objective evaluation methods.
- Understand the clinical evaluation of balance from a vestibular audiologist perspective and develop proficiency in performing and interpreting diagnostic tests such as Videonystagmography (VNG), Caloric Testing, Video-Head Impulse Test (vHIT), and Vestibular Evoked Myogenic Potentials (VEMP).
- Demonstrate the most effective & sensitive clinical evaluation protocols that can identify candidates for treatment and enable proper assessment and management.
- Identify and differentiate between common disorders affecting vestibular and balance function.
- Develop skills in differential diagnosis and interpretation of vestibular test results, with a focus on documentation and report writing.
- Apply hands-on training and case presentation discussions to reinforce theoretical knowledge and practical skills.
- Demonstration and training of Canalith Repositioning Treatment for all forms of BPPV.

**PART 1**

**ONLINE SESSION**



**INDO-AMERICAN INSTITUTE  
OF HEARING & BALANCE**

# PART 1 - ONLINE SESSION



## Basic Science/Anatomy and Physiology of the Human Balance System

### MODULE 1

#### **Anatomy and physiology of Vestibular System.**

- Peripheral Vestibular System
- Central Vestibular System

#### **Anatomy and physiology of oculomotor system.**

#### **Reflex systems and its coordination with balance.**

- Vestibulo-Ocular Reflex (VOR)
- Vestibulo-Collic Reflex (VCR)
- Vestibulo-Spinal Reflex (VSR)



## Clinical Evaluation of Vestibular Function & Assessment Protocols

### MODULE 2

#### **Case History & relevant questionnaires.**

#### **Bedside / Subjective Evaluation.**

#### **Diagnostic clinical evaluation:**

- Overview and Principle
- Clinical Considerations
- Test Protocols
- Analyses
- Interpretations
- Clinical Application
- Videonystagmography (VNG)
- Caloric Testing
- Video-Head Impulse Test (vHIT)
- Vestibular Evoked Myogenic Potentials (VEMP)

# PART 1 - ONLINE SESSION



## Common Vestibular & Balance Disorders: Differential Diagnosis

### MODULE 3

BPPV  
Vestibular Neuritis  
Labyrinthitis  
Vestibular Migraine/ Migraine Associated Vertigo  
Meniere's Disease / Endolymphatic Hydrops  
Perilymphatic Fistulas  
Superior Semi-circular Canal Dehiscence  
Acoustic Neuroma/ Vestibular Schwannoma  
Vestibular Paroxysmia  
Age-Related Vestibular Disorders  
PPPD  
Others



## BPPV management & Patient Resources

### MODULE 4

#### Canalith Repositioning Procedure/ Treatment.

Posterior Canal  
Horizontal Canal  
Anterior Canal

#### Patient Resources & Referral.

# **PART 2**

# **ON-SITE HANDS-ON**



**INDO-AMERICAN INSTITUTE  
OF HEARING & BALANCE**

# PART 2 - ON-SITE HANDS-ON TRAINING

## DAY 1

10:00 am - 6:00 pm

AM session  
10AM - 1PM

### Sign-up & Introduction

#### Functional review & practical applications of

- *Peripheral*
- *Central*
- *VOR*
- *VCR*
- *VSR*

#### TEA BREAK

#### Overview - VNG Assessment

- *Practical VNG protocol*

#### VNG PROTOCOL - OCULOMOTOR

- *Smooth Pursuit*
- *Saccades*
- *Optokinetic*

#### LUNCH BREAK - 1 PM to 2 PM

PM session  
2PM - 6PM

#### Hands-on : VNG - Oculomotor subtests

- *Hands-on - Independently*
- *Test administration*
- *Result Analysis*
- *Interpretation*

#### TEA BREAK

#### VNG PROTOCOL - GAZE & HEAD SHAKE

- *Eccentric gaze nystagmus*
- *High frequency Head shake*

#### Hands-on: VNG - Gaze & Head shake

- *Hands-on - Independently*
- *Test administration*
- *Result Analysis*
- *Interpretation*

# PART 2 - ON-SITE HANDS-ON TRAINING

## DAY 2

10:00 am - 6:00 pm

AM session  
10AM - 1PM

### VNG PROTOCOL - CERVICAL & VBI

- Cervical screening - Sitting
- Vertebrobasilar insufficiency screening

### VNG PROTOCOL - POSITIONAL TESTS

- Head positions - Supine
- Body positions vs Head positions
- Headshake - Body lateral supine position

#### TEA BREAK

### Hands-on: VNG - Gaze, Head shake & Positional

- Hands-on - Independently
- Test administration
- Result Analysis
- Interpretation

#### Review & Case studies

## LUNCH BREAK - 1 PM to 2 PM

PM session  
2PM - 6PM

### VNG PROTOCOL - (BPPV) POSITIONING TESTS

#### Overview & Demonstration

- Posterior Canal BPPV
- Lateral Canal BPPV
- Anterior Canal BPPV

#### TEA BREAK

### Hands-on: VNG - (BPPV) Positioning tests

- Hands-on - Independently
- Test administration
- Result Analysis
- Interpretation

#### Review & Case studies

# PART 2 - ON-SITE HANDS-ON TRAINING

## DAY 3

10:00 am - 6:00 pm

AM session  
10AM - 1PM

### VHIT - PROTOCOL & ASSESSMENT

Overview & Demonstration

- Lateral Canals
- RALP
- LARP

TEA BREAK

### Hands-on: vHIT

- Hands-on - Independently
- Test administration
- Result Analysis
- Interpretation

Review & Case studies

LUNCH BREAK - 1 PM to 2 PM

PM session  
2PM - 6PM

### CALORIC TEST - PROTOCOL

Overview & Demonstration

- Bithermal vs Monothermal
- Considerations

TEA BREAK

### Hands-on: Caloric tests

- Hands-on - Independently
- Test administration
- Result Analysis
- Interpretation

Review & Case studies

Cross check principles (Caloric vs vHIT)

# PART 2 - ON-SITE HANDS-ON TRAINING

## “ DAY 4 ”

10:00 am - 6:00 pm

AM session  
10AM - 1PM

### VEMP - PROTOCOL & ASSESSMENT

*Overview & Demonstration*

- cVEMP
- oVEMP
- Clinical applications

TEA BREAK

### Hands-on: VEMP

- Hands-on - Independently
- Test administration
- Result Analysis
- Interpretation

Review & Case studies

LUNCH BREAK - 1 PM to 2 PM

PM session  
2PM - 6PM

### BEDSIDE / FUNCTIONAL ASSESSMENT

*Overview, Demonstration & Practice*

- Bedside gaze assessment
- SOP
- Head thrust test
- Post-Headshake
- Cervicogenic
- Optokinetic
- others

TEA BREAK

### TEST RESULTS - DIAGNOSIS & INTERPRETATION

*Putting all pieces together*

Documentation & Report writing

Dinner with IHB Team (7-9 pm)

# PART 2 - ON-SITE HANDS-ON TRAINING

## DAY 5

10:00 am - 6:00 pm

AM session  
10AM - 1PM

### BPPV MANAGEMENT - CRT

#### Posterior Canal BPPV - Management

*Demonstration & Practice*

- Epley Maneuver
- Semont Liberatory Maneuver
- Gans Repositioning Maneuver

#### TEA BREAK

#### Lateral Canal BPPV - Management

*Demonstration & Practice*

- Barbeque Roll
- Forced Prolonged Positioning
- Gufoni/Appiani Liberatory Maneuver

#### Anterior Canal BPPV - Management

*Demonstration & Practice*

- Deep Head Hanging Maneuver

### LUNCH BREAK - 1 PM to 2 PM

PM session  
2PM - 6PM

### OBSERVATIONSHIP - CLIENT \*

*Interested and signed-up candidates will have an opportunity to observe a true client experience starting from case history to assessment and report writing.*

or

### COMPREHENSIVE EVALUATION PRACTICE

*If there are no patients, candidates will have an opportunity to do complete hands-on practice independently with minimal supervision.*

The above syllabus and schedule is tentative and for general purpose only. Depending on the interest and participation of the class, discussions, demonstrations, and hands-on training will be adjusted.

\* True patient observation ship is subject to availability. Preference will be given to the candidates in the order of sign-up or registration. If patient cancels the appointment on this day you will be given an opportunity to do complete protocols learned during the course with minimal supervision.



*There is a need now  
more than ever  
to produce more  
AudioVestibular  
Specialists*



*Dr. Yugandhar Ramakrishna*

Let's build a better future for Audiologists



**INDO-AMERICAN INSTITUTE  
OF HEARING & BALANCE**

🌐 [www.rasyainstitutes.com](http://www.rasyainstitutes.com)

✉ [Institute@rasya.org](mailto:Institute@rasya.org)

☎ 9493 102 202

701, Malik Solitaire, 1st Floor,

Road No. 36, Jubilee Hills,

Hyderabad, Telangana - 500033